

# Product Specification

## Aluminum Fin LED Corn Bulb Column

### Led corn bulb features

- 1 Using high brightness of original packed Epistar 2835 SMD chip which achieves **120lm/w**
- 2 As the world's first new products ,LED corn bulb could replace the conventional compact CFL light directly .
- 3 Unique construction design easier for power supply and light source replacement if needed,with full beam angle (360°).
- 4 Fin aluminum heat dissipation system(PATENT design).The fan of active air exchanging cooling system in order to speed up heat dissipation.
- 5 No spot, no black area, long life span and less brightness decay
- 6 Various lamp bases are available , a wide range of applications. (E39/E40 mogul, E26/E27 medium)
- 7 Wide voltage AC100-300V,High efficiency constant current drives, Efficiency of power supply is more than 90%.
- 8 No magnetic disturbance influence and CE & RoHS standard compliant.
- 9 No UV and near-IR radiation in the light beam.
- 10 36 months warranty



### 60W Led Corn Bulb Projects

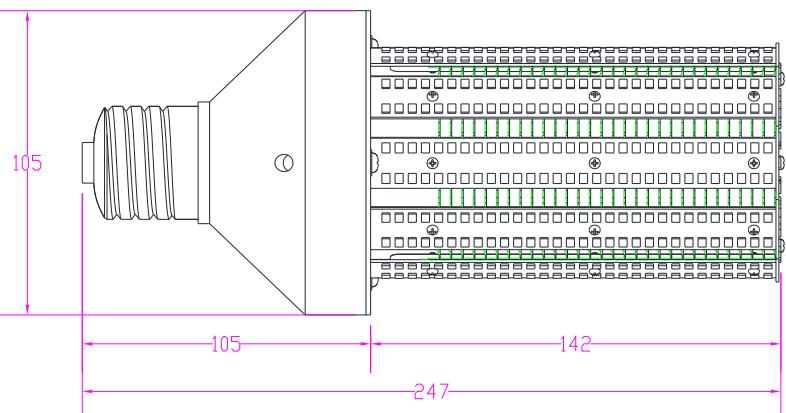
Lamp Shining LED Corn Bulb for Gym in USA



Lamp Shining LED Corn Bulb for Warehouse in Spain



### 60W Led Corn Bulb Dimension



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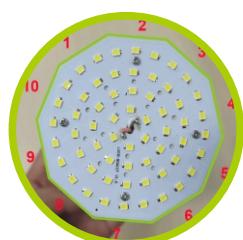
Add: Runteng Shangpai industrial Zone, Yonghe Road, Shiyian Town, Bao'an District, Shenzhen Guangdong PR China  
Tel: 0086-0755-33556070 0086-13612945445  
Email: sales@lampshining.com william@lampshining.com  
skype: lampshining87  
Web: http://www.lampshining.com www.ledlampshining.com

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Main Specification T=25 Celsius Degree		
Parameters	Item No.	LSCB247-60W-660S2
Light	LED Type	660pcs 2835 SMD LEDs
	Luminous Flux(lm)	7800Lm
	CCT(K)	Warm White/Natural white/Cool White
	CRI	>80
	Lifespan (Hrs)	>50,000Hours
Electricity	Input Voltage(V)	100-300VAC (277VAC available)
	Frenquency (Hz)	50/60 Hz
	Power Consumption(W)	65±1W
	Power Factor	>0.95
	Time of starting (S)	0
	Power Supply	UL/TUV Standard Driver
	Power Efficiency	>0.92
	Replacement	225W-250W Metal Halide / HPS
Structure	Materials	Aluminum+MPCB+PBT base(fire proof)+Sunon Fan
	Dimension	E40 : Dia105*247mm E27 : Dia105*240mm
	Base Options	E40/E39(Mogul) E27/E26(Medium)
Certificate	Working Temp/humidity	-25 - 55 Celsius degree 10% - 90% R.H.
	Storage Humidity	-40 - 85 Celsius Degree 0% - 95% R.H.
	IES files	Lighting simulations support
	Certificate	CE
	Environmental cert	RoHS

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## Led Corn Bulb Advantages

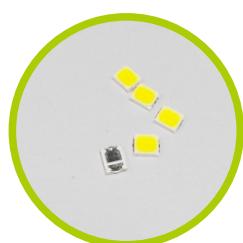


Aluminum core MPCB

Round 10 sides shine out

Wireproof base

Built-in aluminum fin heat sink



Top Brand Sunon Fan

High Brightness Epistar 2835

Internal Driver

Built-in aluminum fin heat sink

## Test Result

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 122.43 lm/W
MODEL		I <sub>max</sub> (cd)	683.4	S/MH(C0/180)	2.90
NOMINAL POWER (W)	64	LOR (%)	100.0	S/MH(C90/270)	2.87
RATED VOLTAGE (V)	234	TOTAL FLUX(1m)	7835.8	η UP, DN (C0-180)	23.5, 26.6
NOMINAL FLUX(1m)	7835.8	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	22.5, 27.3
LAMPS INSIDE	1	η up (%)	46.0	CIBSE SHR NOM	2.00
TEST VOLTAGE (V)	233.3	η down (%)	54.0	CIBSE SHR MAX	0.00

## What should be aware of ?

1. Read the user's manual in details, make sure the environment conditions fit the requests
2. Cut the power off before installation
3. Do not run this led corn bulb over 300VAC unless it's labeled.
4. Do not install this LED corn bulb in ambient where has high temperature over like 55 celsius degree or over corrosive gas
5. Indoor,Outdoor use in outdoor luminaires (minimum Ip65)
6. Don't throw away casually



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Add: Runteng Shangpai industrial Zone, Yonghe Road, Shiyi Town, Bao'an District, Shenzhen Guangdong PR China  
 Tel: 0086-0755-33556070 0086-13612945445  
 Email: sales@lampshining.com william@lampshining.com  
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## Where to use LS LED Corn Bulb ?

1. Outdoor street lighting, wall pack lighting, canopy lighting, post top lighting, high bay light, warehouse lighting, pathway lighting, factory lighting, supermarket lighting, parking lot and stadium lighting etc.



Parking Lot



Pathway fixture



Wall Pack Fixture



Street fixture



Cobra Fixture



Street fixture



Post top fixture



High Bay fixture



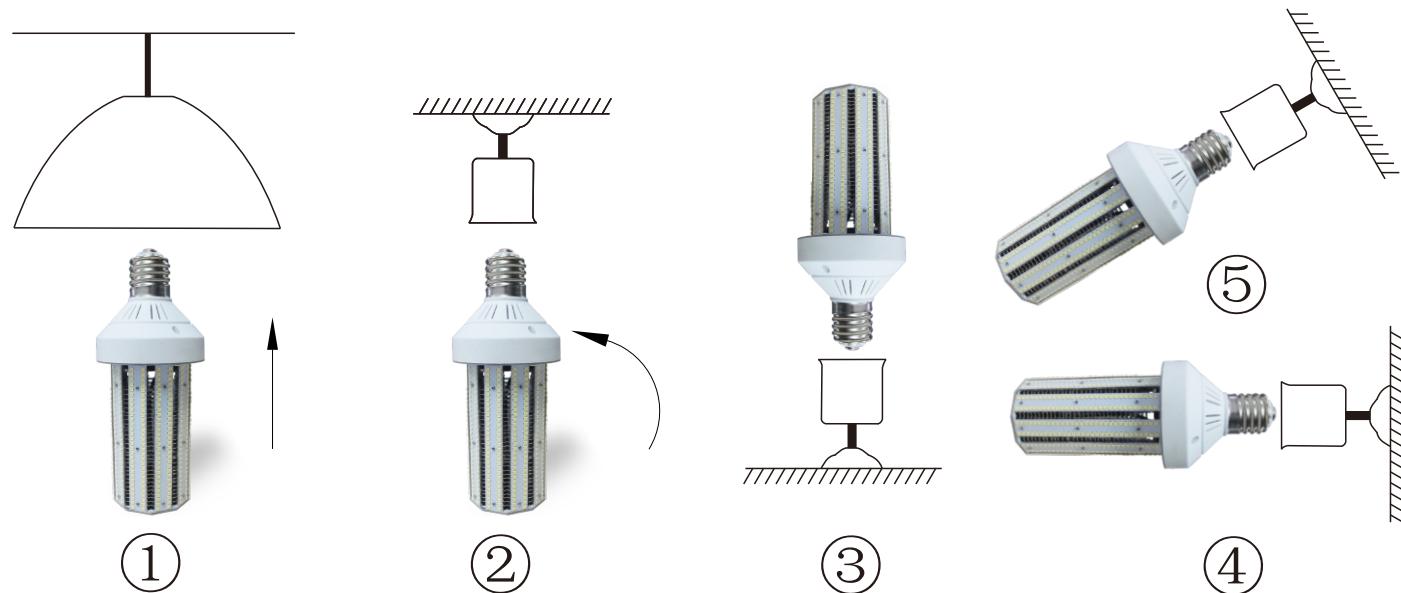
Droplight fixture



Wall Light fixture

## LED Corn Bulb Installation

- 1, This 60W Led corn bulb is available with different direction installation, such as up side down(Pic 1,2), post top(Pic 3), vertical (Pic 4)and inclination(Pic 5) installations
- 2, Please do not loose your hand before the led corn bulb is tightly screwed into the base
- 3, Power must be cut off before installation
- 4, Existing ballast/transformer must be bypassed before plug the bulb in
- 5, This led corn bulb is available with E40 E39(Mogule) and E27 E26(Medium) bases



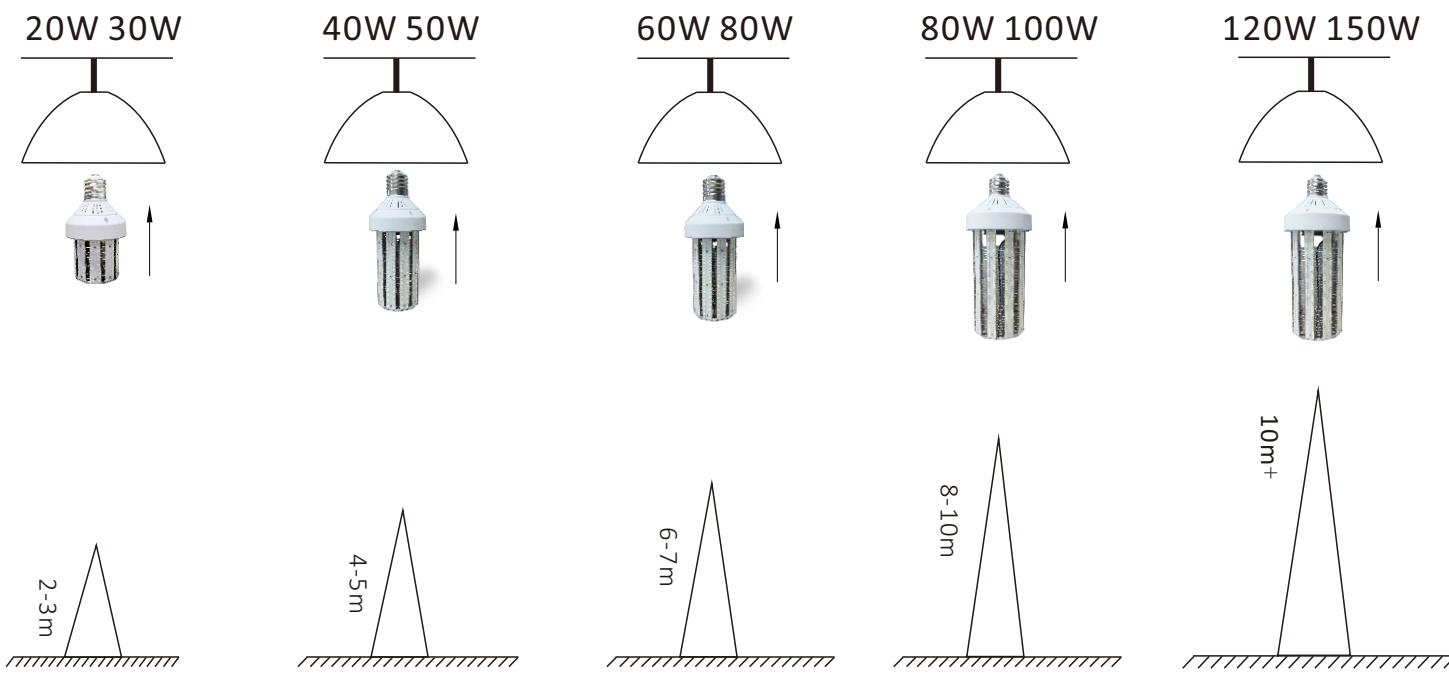
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## Installation Height suggestion



1, LED Corn Bulbs are retrofit led bulbs which are with the lastest cooling heat sink technology Thermal was blew out from sides borad gap rapidly. And they are just perfect to replace the existing matel halide,high pressure sodium,HQI,Son-T,halogen etc

2, Since there are various wattage options for high bay lighting application,different wattage has its perfect lighting effect at different height

3, The overall temperature of the lamp will go down lower to 50 celsius degree for highbay, post top and vertical installations

4, 20W = 50-75W MH	30W=75-105W MH	40W=125-150W MH
50W = 175-225W MH	60W=225-250W MH	80W = 250W-300W MH
100W = 350W MH	120W = 400W MH	150W = 500W MH

## LED Corn Bulb Package



Please contact Lamp Shining sales office for more led corn bulbs



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